

ABSTRACT

DIGITAL RECEIVER DEMULTIPLEXER

The present invention relates to the demultiplexing of a digital data stream in a receiver so as to retain only those parts of the digital data stream required by the receiver. Such demultiplexing is particularly useful when applied to a receiver circuit in a television system having a digital set-top-box.

A memory in the receiver stores packet identifiers of data packets required by the receiver, which are stored in the memory under the control of a first control circuit. A second control circuit extracts packet identifiers from incoming data packets in an input digital data stream. A third control circuit receives the extracted packet identifier and determines whether this matches one of the packet identifiers stored in the memory. A match signal is set by the third control circuit to the second control circuit responsive to a match. The second control circuit demultiplexes the input data packet responsive to the match signal.

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